

BEFORE
THE PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA

DOCKET NO. 2023-388-E

In the Matter of:)	
)	DIRECT TESTIMONY OF
Application of Duke Energy Carolinas, LLC)	MARK D. ROKOFF
For Adjustments in Electric Rate Schedules and)	FOR DUKE ENERGY
Tariffs)	CAROLINAS, LLC

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Mark D. Rokoff, and my business address is 544 White Pond Drive,
3 Suite 300, Akron, OH 44320.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am a Business Development Manager at Burns & McDonnell Consultants,
6 Inc. (“Burns & McDonnell”).

7 **Q. PLEASE SUMMARIZE YOUR EDUCATION QUALIFICATIONS.**

8 A. I obtained both my B.S. and M.S. in civil engineering from Case Western
9 Reserve University in 1997 and 1999, respectively.

10 **Q. PLEASE SUMMARIZE YOUR PROFESSIONAL EXPERIENCE.**

11 A. I have over 20 years of professional experience in the area of coal combustion
12 residual (“CCR”) management, and I have served as an executive lead on
13 numerous geotechnical, civil, and geo-environmental engineering designs as
14 well as construction-related programs and projects. I have extensive experience
15 in the design and application of CCR management including regulatory
16 compliance with the Environmental Protection Agency’s Disposal of CCR from
17 Electric Utilities final rule, the planning and engineering of complimentary
18 services in water and groundwater management as well as conveyance systems,
19 and the development and operation of disposal and beneficial use facilities. I
20 regularly speak about CCR at various venues across the United States. For
21 example, I have spoken multiple times at the World of Coal Ash Forum,
22 American Coal Ash Association technical meetings, Utility Solid Waste
23 Activities Group workshops, the Energy Utility Environment Conference, and

1 POWERGen International. I am also a member of the American Society of
2 Civil Engineers and the International Society of Soil Mechanics and Foundation
3 Engineers.

4 **Q. ON WHOSE BEHALF ARE YOU SUBMITTING YOUR TESTIMONY?**

5 A. I am submitting my testimony before the Public Service Commission of South
6 Carolina (“Commission”) on behalf of Duke Energy Carolinas, LLC (“DEC”).

7 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THIS COMMISSION**
8 **OR OTHER STATE PUBLIC UTILITY COMMISSIONS?**

9 A. I previously provided written testimony before this commission on behalf of
10 Duke Energy Progress, LLC in Docket No. 2022-254-E.

11 **Q. DOES YOUR TESTIMONY INCLUDE ANY EXHIBITS?**

12 A. Yes. Rokoff Exhibit 1 includes my full educational and professional
13 background. In addition, Rokoff Exhibit 2 is a November 2023 report entitled
14 “Conceptual CCR Closure Cost Estimates Summary Report.”

15 **Q. WAS ROKOFF EXHIBIT 2 PREPARED UNDER YOUR DIRECTION**
16 **AND SUPERVISION?**

17 A. Yes.

18 **Q. PLEASE DESCRIBE WHAT IS PRESENTED IN ROKOFF EXHIBIT 2.**

19 A. As outlined in Rokoff Exhibit 2, under my direction and oversight, a team of
20 professionals at Burns & McDonnell prepared a report entitled “Conceptual
21 CCR Closure Cost Estimates Summary Report,” dated November 1, 2023. We
22 prepared this report for DEC to document our observations and findings
23 regarding closure planning of certain coal combustion residual (“CCR”) units

1 owned and operated by DEC. Specifically, the report provides CCR closure
2 cost estimates for CCR units located at DEC's Allen, Belews Creek, Buck,
3 Cliffside (Roger Energy Complex), Dan River, and Marshall plants. At each of
4 the sites, DEC prescribed which closure approach – closure in place (“CiP”) or
5 closure by removal (“CbR”) – and corresponding cost estimate was to be
6 prepared. To establish the costs for CiP and CbR, Burns & McDonnell
7 evaluated, among other things, mobilization/demobilization, dewatering, pore
8 water removal, water treatment, and stormwater and erosion controls. To
9 develop unit rates, to the extent possible, Burns & McDonnell utilized
10 information from RS Means data from the 2023 Heavy Construction Costs
11 Book. Finally, the corresponding quantities were developed based on
12 information provided by DEC, publicly available online documents, and
13 engineering judgment. The resulting conceptual screening cost estimates are
14 contained in several tables in Rokoff Exhibit 2.

15 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

16 **A.** Yes.